

Converting Colors

$Yxy(56.6197, 0.2483, 0.4044)$

Have a look what the booklet for
Yxy(56.6197, 0.2483, 0.4044)
contains.

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Color

Yxy(56.6197, 0.2483, 0.4044)

Conversions

Conversions Part 1

Format	Color
Hex	1FE0AD
RGB	31, 224, 173
RGB Percent	12%, 88%, 68%
CMY	0.8781, 0.1216, 0.3216
CMYK	0.86, 0.00, 0.23, 0.12
HSL	164°, 76%, 50%
HSV	164°, 86%, 88%
XYZ	34.7643, 56.6197, 48.6252
YIQ	160.4790, -98.6570, -56.7770

Conversions

Conversions Part 2

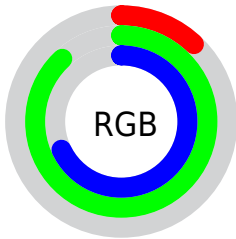
Format	Color
RYB	31, 142, 224
Decimal	2089133
CIELab	79.97, -56.07, 12.58
CIELCh	80, 57.462, 167.349
Yxy	56.6197, 0.2483, 0.4044
Android (android.graphics.Color)	4280279213 (0xFF1FE0AD)
YUV	160.4790, 6.1729, -113.5531
Hunter-Lab	75.2461, -49.2122, 14.3581

Details

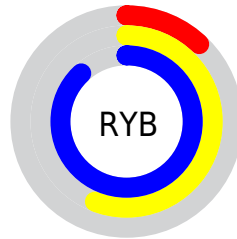
The Yxy color **56.6197, 0.2483, 0.4044** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **17.4431, 0.5474, 0.2915**, and the grayscale version is **35.4045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7663, 0.2542, 0.3612**, and **29.0179, 0.2500, 0.4201** is the 20% darker color. If you saturate the color by 10%, you get **56.1610, 0.2489, 0.4143**, and if you desaturate by 10%, it is **57.3339, 0.2496, 0.3944**.

Distribution



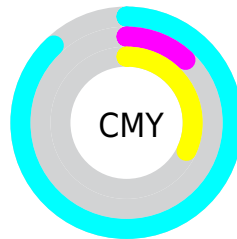
- Red (12%)
- Green (88%)
- Blue (68%)



- Red (12%)
- Yellow (56%)
- Blue (88%)



- Cyan (86%)
- Magenta (0%)
- Yellow (23%)
- Black (12%)





- Cyan (88%)
- Magenta (12%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6197, 0.2483, 0.4044 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 56.6197, 0.2483, 0.4044 by changing the saturation by 10% instead.

 56.6197, 0.2483,
0.4044

 56.6197, 0.2483,
0.4044


412.0227, 0.2801,
0.3663


 40.7000, 0.2405,
0.4140


 99.9101, 0.2597,
0.3905

 28.0847, 0.2307,
0.4264


 128.0495, 0.2640,
0.3853

 18.3895, 0.2178,
0.4429


 161.0310, 0.2677,
0.3809

 11.2300, 0.2003,
0.4660

 199.2389, 0.2709,
0.3771

 6.2218, 0.1753,
0.5004

 243.0576, 0.2736,
0.3738

 2.9804, 0.1367,
0.5565

292.8716, 0.2760,

 1.1215, 0.0000,

0.3710

0.7773

349.0652, 0.2782,
0.3685

■ 0.0000, 0.0000,
0.0000

■ 56.6197, 0.2483,
0.4044

■ 56.6197, 0.2483,
0.4044

■ 56.1610, 0.2489,
0.4143

■ 57.3339, 0.2496,
0.3944

■ 56.0207, 0.2495,
0.4181

■ 58.3404, 0.2528,
0.3844

■ 59.6764, 0.2580,
0.3747

■ 61.3718, 0.2651,
0.3652

■ 63.4533, 0.2736,
0.3562

■ 65.9448, 0.2834,
0.3478

■ 68.8683, 0.2941,
0.3401

■ 72.2443, 0.3055,
0.3330

■ 76.0918, 0.3173,
0.3266

Harmonies

Analogous

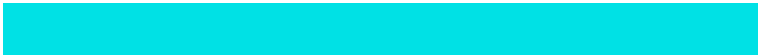
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.6197, 0.3163, 0.4598



56.6197, 0.2483, 0.4044



56.6197, 0.2012, 0.3243

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



56.6197, 0.2483, 0.4044



56.6197, 0.2312, 0.2153



56.6197, 0.4620, 0.3711

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56.6197, 0.2483, 0.4044



17.4431, 0.5474, 0.2915

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



56.6197, 0.4363, 0.3159



56.6197, 0.2483, 0.4044



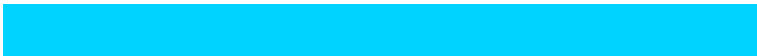
56.6197, 0.2942, 0.2312

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.6197, 0.2483, 0.4044



56.6197, 0.1934, 0.2232



56.6197, 0.3713, 0.2668



56.6197, 0.4417, 0.4247

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.6197, 0.2483, 0.4044



56.6197, 0.1858, 0.2777



56.6197, 0.3713, 0.2668



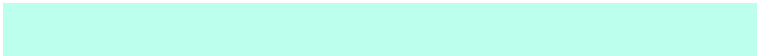
56.6197, 0.4588, 0.3525

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56.6219, 0.2483, 0.4044



88.4423, 0.2833, 0.3479



55.2297, 0.3169, 0.5752



18.6672, 0.2798, 0.3508



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.6219, 0.2483, 0.4044



75.1323, 0.2497, 0.4188



37.9106, 0.2089, 0.2627



15.5072, 0.3017, 0.3353



32.6273, 0.2491, 0.4166



2.2761, 0.2448, 0.4014

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



17.4431, 0.5474, 0.2915



21.6704, 0.5930, 0.3041



21.1301, 0.5758, 0.3623



13.7598, 0.3251, 0.3228



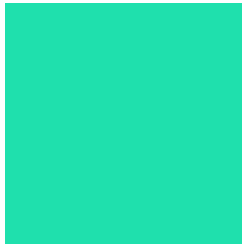
9.4257, 0.5875, 0.3010



0.6680, 0.5434, 0.2767

Previews

White Background



This preview shows how the Yxy color 56.6197, 0.2483, 0.4044 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 56.6197, 0.2483, 0.4044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

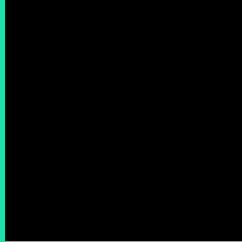
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

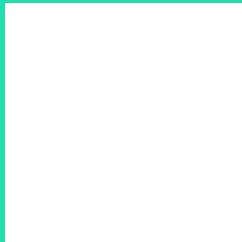
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.6197, 0.2483, 0.4044

Background



This preview shows how black text looks on a background with the Yxy color 56.6197, 0.2483, 0.4044.

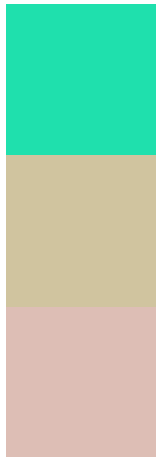


This preview shows how white text looks on a background with the Yxy color 56.6197, 0.2483, 0.4044.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

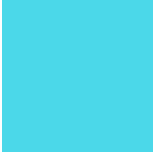
56.6197, 0.2483, 0.4044

Protanopia

55.3930, 0.3511, 0.3739

Deuteranopia

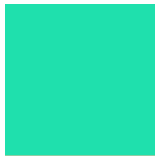
55.5353, 0.3459, 0.3395



Tritanopia

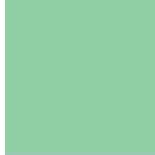
56.4908, 0.2286, 0.3063

Trichromacy



Original Color

56.6197, 0.2483, 0.4044



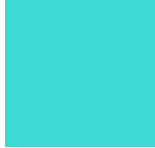
Protanomaly

52.7522, 0.2957, 0.3873



Deuteranomaly

52.1308, 0.2920, 0.3615



Tritanomaly

56.2960, 0.2348, 0.3399

Monochromacy



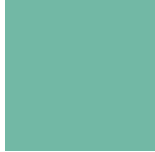
Original Color

56.6197, 0.2483, 0.4044



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

40.5750, 0.2726, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6197, 0.2483, 0.4044 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(31, 224, 173)` looks like.

```
.text, #text, p{  
    color:rgb(31, 224, 173)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(31, 224, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 224, 173) }
```

Border

The CSS property to change the border of an element to Yxy 56.6197, 0.2483, 0.4044 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(31, 224, 173) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(31, 224, 173) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(31, 224, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 224, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 224, 173);  
box-shadow:4px 4px 4px 4px rgb(31, 224,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6197, 0.2483, 0.4044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 224, 173) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(31, 224,  
173) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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